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## WHAT IS CLAIMED IS

- 1. A biaxially oriented multi-layer film which comprises:
  - (a) a core layer comprising at least about 90% of a syndiotactic polypropylene polymer;
  - (b) at least one additional layer adjacent to the core layer comprising a material selected from the group consisting of butene-1-propylene random copolymer, ethylene-propylene block copolymer, nylon, polyester, ethylene-vinyl acetate copolymer, ethylene-vinyl alcohol copolymer, ethylenepropylene-butene-1 random terpolymer containing 1 to 5 wt.% random ethylene and 10 to 25 wt.% random butene-1, low density polyethylene, linear low density polyethylene, medium density polyethylene, high density polyethylene, and blends thereof: and
  - (c) wherein the shrinkage of the biaxially oriented multi-layer film at 135° C is less than 25% in the machine and transverse directions.
- 20 2. The biaxially oriented multi-layer film of claim 1 wherein the shrinkage at 135° C is less than 16% in the machine and transverse directions.
- The biaxially oriented multi-layer film of claim 1 wherein the
  shrinkage at 135° C is less than 8% in the machine and transverse directions.
  - 4. The biaxially oriented multi-layer film of claim 2 further comprising a skin layer adjacent to at least one additional layer wherein the skin layer comprises a polyolefin.

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- 5. The biaxially oriented multi-layer film of claim 4 wherein the skin layer is a polyolefin selected from the group consisting of isotactic polypropylene, ethylene-propylene random copolymer, ethylene-propylene block copolymer, ethylene-propylene-butene-1 terpolymer, and blends thereof
- 6. The biaxially oriented multi-layer film of claim 5 comprising a second layer adjacent to the core layer comprising a material selected from the group consisting of butene-1-propylene random copolymer, ethylene-propylene block copolymer, nylon, polyester, ethylene-vinyl acetate copolymer, ethylene-vinyl alcohol copolymer, ethylene-propylene-butene-1 random terpolymer containing 1 to 5 wt.% random ethylene and 10 to 25 wt.% random butene-1, low density polyethylene, linear low density polyethylene, medium density polyethylene, high density polyethylene, and blends thereof.
- 7. The biaxially oriented multi-layer film of claim 2 having a coating comprising a material selected from the group consisting of polyvinylidene chloride, a polyvinyl alcohol, an acrylic polymer, and blends thereof.
- 8. The biaxially oriented multi-layer film of claim 2 wherein the at least one additional layer comprises silica particles.
- The biaxially oriented multi-layer film of claim 2 comprising an
  alloyotic hydrocarbon.
  - 10. A biaxially oriented multi-layer film which comprises:
    - (a) a core layer comprising a syndiotactic propylene polymer;
    - (b) a first outer layer adjacent to a first side of the core layer wherein the first outer layer comprises a material selected from the group consisting of butene-1-propylene random copolymer, ethylene-propylene block copolymer, nylon, polyester, ethylene-

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- vinyl acetate copolymer, ethylene-vinyl alcohol copolymer, ethylene-propylene-butene-1 random terpolymer containing 1 to 5 wt.% random ethylene and 10 to 25 wt.% random butene-1, low density polyethylene, linear low density polyethylene, medium density polyethylene, high density polyethylene, and blends thereof;
- (c) a second outer layer applied to an outer surface of the first outer layer, wherein the second outer layer comprises a material selected from the group consisting of butene-1-propylene random copolymer, ethylene-propylene block copolymer, nylon, polyester, ethylene-vinyl acetate copolymer, ethylene-vinyl alcohol copolymer, ethylene-propylene-butene-1 random terpolymer containing 1 to 5 wt.% random ethylene and 10 to 25 wt.% random butene-1, low density polyethylene, linear low density polyethylene, medium density polyethylene, high density polyethylene, and blends thereof;
- (d) a third outer layer adjacent to a second side of the core layer, wherein the third outer layer comprises a material selected from the group consisting of butene-1-propylene random copolymer, ethylene-propylene block copolymer, nylon, polyester, ethylene-vinyl acetate copolymer, ethylene-vinyl alcohol copolymer, ethylene-propylene-butene-1 random terpolymer containing 1 to 5 wt.% random ethylene and 10 to 25 wt.% random butene-1, low density polyethylene, linear low density polyethylene, medium density polyethylene, high density polyethylene, and blends thereof:
- (e) a fourth outer layer applied to an outer surface of the third outer layer, wherein the fourth outer layer comprises a material selected from the group consisting of butene-1-propylene random copolymer, ethylene-propylene block copolymer, nylon, polyester, ethylene-vinyl acetate copolymer, ethylene-vinyl alcohol copolymer, ethylene-propylene-butene-1 random

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terpolymer containing 1 to 5 wt.% random ethylene and 10 to 25 wt.% random butene-1, low density polyethylene, linear low density polyethylene, medium density polyethylene, high density polyethylene, and blends thereof; and

- (f) wherein the shrinkage of the biaxially oriented multi-layer film at 135° C is less than 25% in the machine and transverse directions.
- 11. The biaxially oriented multi-layer film of claim 10 wherein the shrinkage at 135° C is less than 16% in the machine and transverse directions.
  - 12. The biaxially oriented multi-layer film of claim 11 wherein the shrinkage at 135° C is less than 8% in the machine and transverse directions.
  - 13. A process for preparing a biaxially oriented multi-layer film having a shrinkage at 135° C of less than 25% in the machine and transverse directions which comprises the steps of:
    - (a) melt coextruding a film comprising: (i) a core layer comprising at least about 90% of a syndiotactic polypropylene, (ii) a first additional layer adjacent to a first side of the core layer comprising materials selected from the group consisting of butene-1-propylene random copolymer, ethylene-propylene block copolymer, nylon, polyester, ethylene-vinyl acetate copolymer, ethylene-vinyl alcohol copolymer, ethylene-propylene-butene-1 random terpolymer containing 1 to 5 wt.% random ethylene and 10 to 25 wt.% random butene-1, low density polyethylene, linear low density polyethylene, medium density polyethylene, high density polyethylene, and blends thereof, and (iii) a second additional layer adjacent to a second side of the core layer comprising materials selected from the

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group consisting of butene-1-propylene random copolymer, ethylene-propylene block copolymer, nylon, polyester, ethylene-vinyl acetate copolymer, ethylene-vinyl alcohol copolymer, ethylene-propylene-butene-1 random terpolymer containing 1 to 5 wt.% random ethylene and 10 to 25 wt.% random butene-1, low density polyethylene, linear low density polyethylene, medium density polyethylene, high density polyethylene, and blends thereof, and

- (b) biaxially orienting the coextruded combination in a machine and a transverse direction.
- 14. The process of claim 13 wherein the biaxially oriented multi-layer film have a shrinkage at 135° C of less than 16% in the machine and transverse directions.
- 15. The process according to claim 13 wherein the biaxially oriented multi-layer film has a shrinkage at 135° C of less than 8% in the machine and transverse directions.